



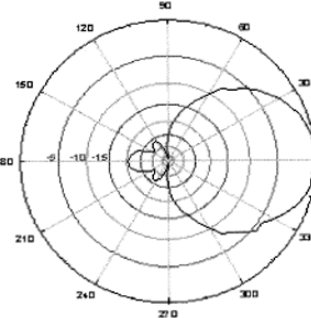
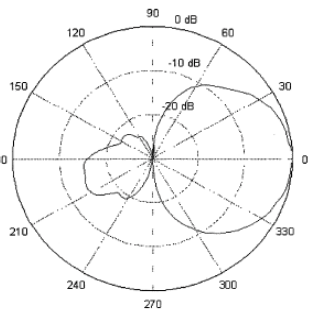
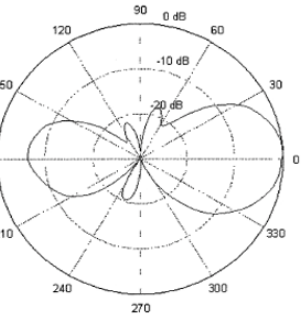
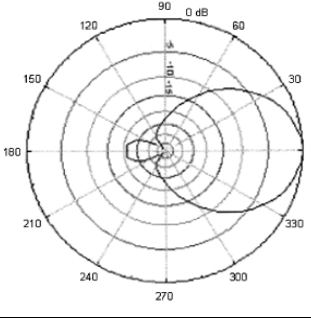
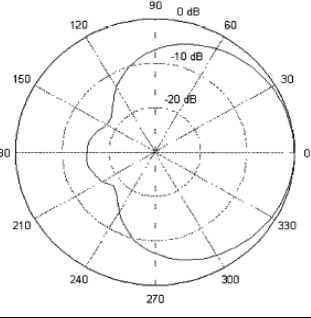
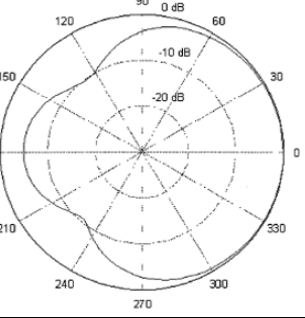



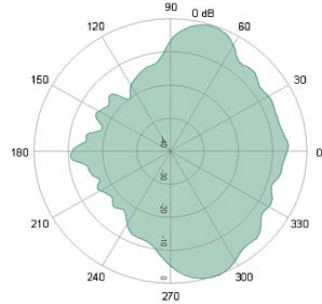
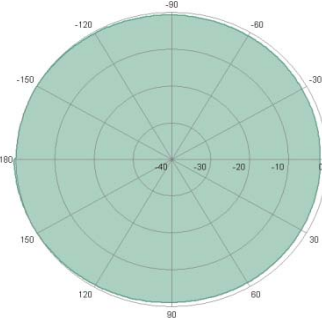
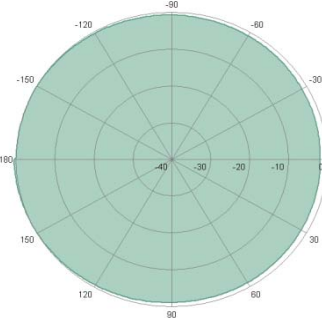

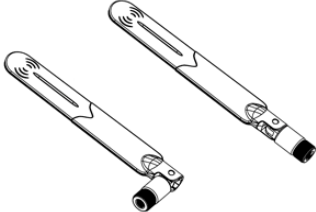
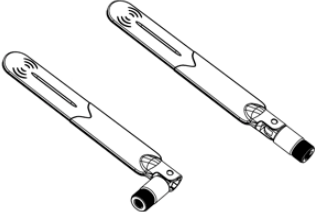


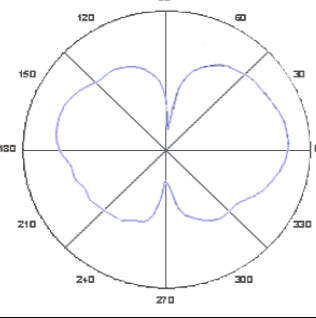
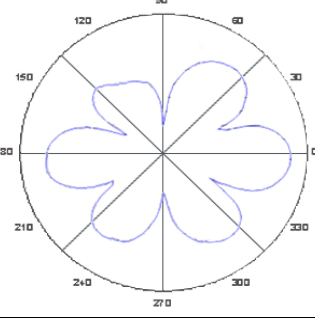






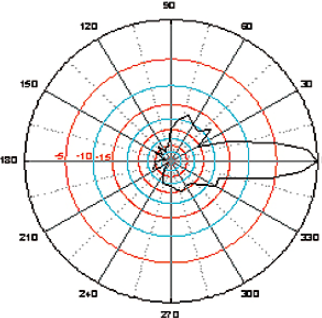
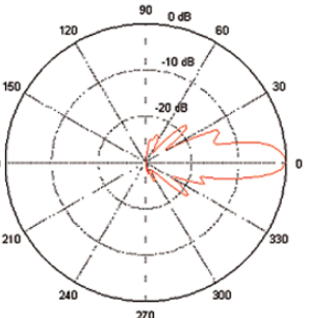
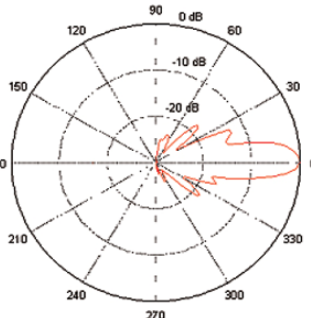
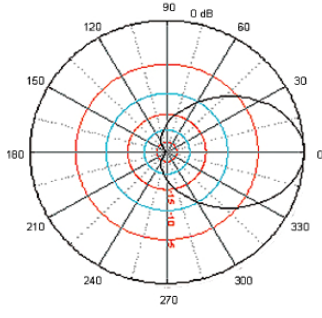
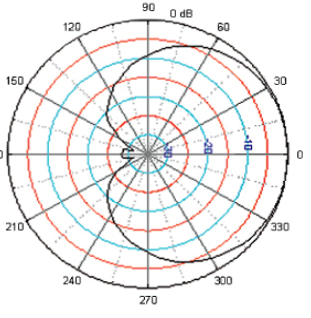
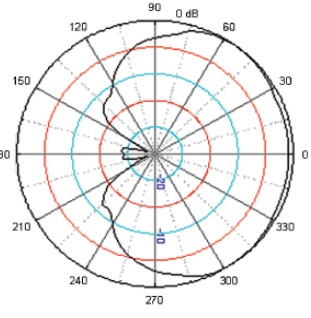
TRAPEZE NETWORKS EXTERNAL ANTENNA OPTIONS




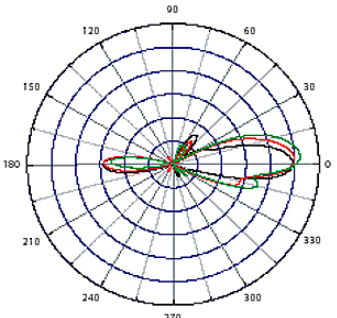
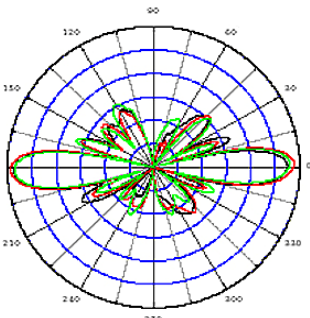
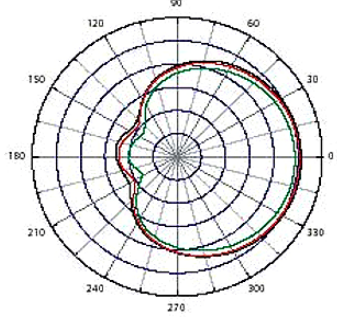
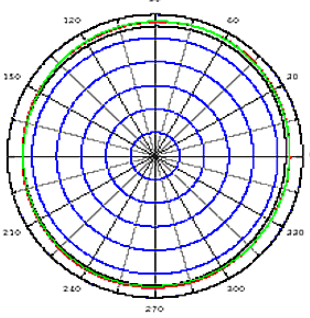
TRAPEZE smart mobile.	2.4 GHz BAND INDOOR / OUTDOOR			
	60 ° Sector	120 ° Sector	180 ° Sector	360 ° Omni
For MP-3XX	ANT-1060	ANT-1120	ANT-1180	
For MP-422	ANT-1060R	ANT-1120R	ANT-1180R	ANT-7360R ANT-7360R-OUT
	5 GHz BAND INDOOR / OUTDOOR			
	60 ° Sector	120 ° Sector	180 ° Sector	360 ° Omni
For MP-3XX	ANT-5060	ANT-5120	ANT-5180	
For MP-422	ANT-5060R	ANT-5120R	ANT-5180R	ANT-7360R ANT-7360R-OUT
	5 GHz BAND INDOOR / OUTDOOR			
	7 ° Sector	18 ° Sector	120 ° Sector	360 ° Omni
For MP-522E	ANT-5007-OUT			
	DUAL BAND INDOOR / OUTDOOR @ 2.4 GHz			
	45 ° Sector	75 ° Sector		360 ° Omni
For MP-522E	ANT-74520-OUT	ANT-77555-OUT		ANT-7360P-IN ANT-7360A-OUT
	DUAL BAND INDOOR / OUTDOOR @ 5 GHz			
	20 ° Sector	55 ° Sector		360 ° Omni
For MP-522E	ANT-74520-OUT	ANT-77555-OUT		ANT-7360P-IN ANT-7360A-OUT
	2.4 GHz BAND OUTDOOR			
	60 ° Sector	120 ° Sector	180 ° Sector	360 ° Omni
For MP-620			ANT-1120-OUT	ANT-1360-OUT
	5 GHz BAND OUTDOOR			
	7 ° Sector	18 ° Sector	120 ° Sector	360 ° Omni
For MP-620		ANT-5PNL-OUT	ANT-5120-OUT	ANT-5360-OUT
For MP-632	ANT-5007-OUT			
	DUAL BAND OUTDOOR @ 2.4 GHz			
	45 ° Sector	75 ° Sector		360 ° Omni
For MP-632	ANT-74520-OUT	ANT-77555-OUT		ANT-7360A-OUT
	DUAL BAND OUTDOOR @ 5 GHz			
	20 ° Sector	55 ° Sector		360 ° Omni
For MP-632	ANT-74520-OUT	ANT-77555-OUT		ANT-7360A-OUT





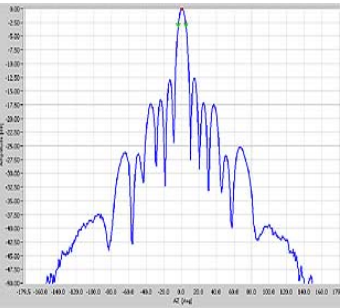
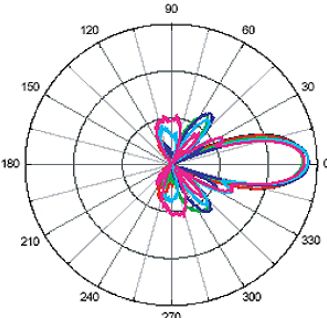
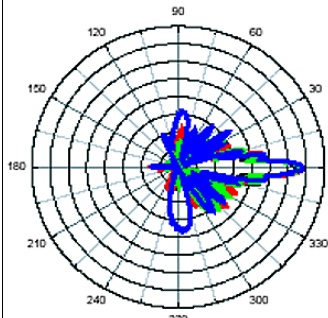
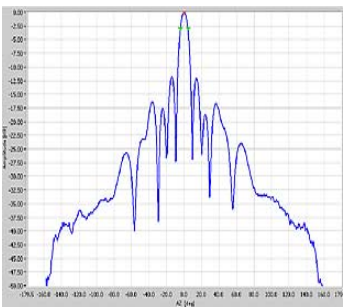
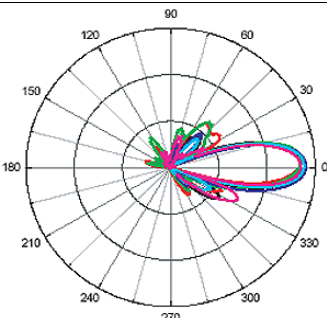
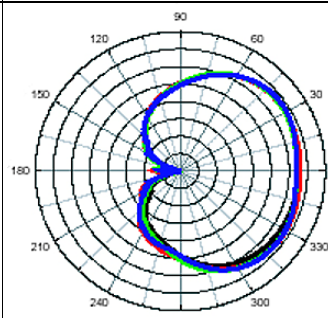
	2.4 GHz BAND INDOOR / OUTDOOR		
	60 ° Sector	120 ° Sector	180 ° Sector
For MP-3XX	ANT-1060	ANT-1120	ANT-1180
For MP-422	ANT-1060R	ANT-1120R	ANT-1180R
For MP-522E			
For MP-620			
For MP-632			
PRODUCT PHOTO			
VERTICAL GAIN			
HORIZONTAL GAIN			
Frequency Range	2400-2483 MHz	2400-2483 MHz	2400-2483 MHz
Impedance	50 Ohms	50 Ohms	50 Ohms
VSWR (50 Ohms)	1.5: 1 Max	1.5: 1 Max	1.5: 1 Max
Gain, dBi	10 dBi	7 dBi	6 dBi
Polarization	Vertical, Linear	Vertical, Linear	Vertical, Linear
3dB Beamwidth V	65 Deg	60 Deg	40 Deg
3dB Beamwidth H	60 Deg	120 Deg	180 Deg
Front to Back Ratio	> 20 dB	> 14 dB	> 6 dB
Maximum Power	20W	20W	20W
Connector	Female SMA, Bottom Feed	Female SMA, Bottom Feed	Female SMA, Bottom Feed
Type / Style	Panel Type	Panel Type	Panel Type
Dimensions	123 x 115 x 28 mm	52 x 113 x 30 mm	52 x 198 x 30 mm
Weight	100g / 0.22 Lbs	227g / 0.5 Lbs	227g / 0.5 Lbs
Frontal Wind Loading	> 10 Kg	> 10 Kg	> 7 Kg
Operating Temperature	-30 to +75 Deg C	-30 to +75 Deg C	-30 to +75 Deg C
Storage Temperature	-45 to +75 Deg C	-45 to +75 Deg C	-45 to +75 Deg C
Humidity	95%	95%	95%
Lightning Protection	All Metal Parts Grounded	All Metal Parts Grounded	All Metal Parts Grounded
Mounting Options	Wall Mount / Pole Mount (2" diameter)	Wall Mount / Pole Mount (2" diameter)	Wall Mount / Pole Mount (2" diameter)
Cable	36" RG-174/U Coaxial with 2 x SMA Plugs (ANT-xxxxR has 1 x SMA and 1 x R-SMA Plug)	36" RG-174/U Coaxial with 2 x SMA Plugs (ANT-xxxxR has 1 x SMA and 1 x R-SMA Plug)	36" RG-174/U Coaxial with 2 x SMA Plugs (ANT-xxxxR has 1 x SMA and 1 x R-SMA Plug)



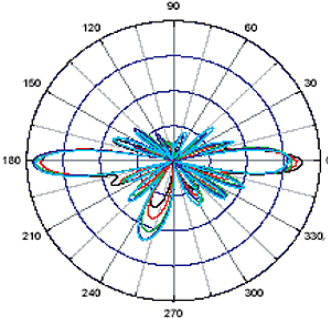
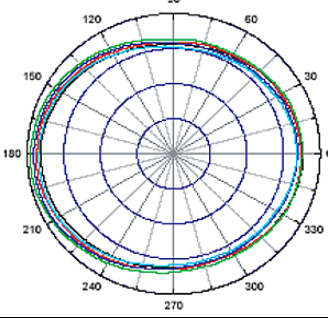
	DUAL BAND INDOOR		
	360° Omni (2.4 GHz Specs)	360° Omni (5 GHz Specs)	
For MP-3XX			
For MP-422	ANT-7360R	ANT-7360R	
For MP-522E			
For MP-620			
For MP-632			
PRODUCT PHOTO			INTENTIONALLY LEFT BLANK
VERTICAL GAIN		GAIN PATTERN NOT AVAILABLE AT TIME OF PUBLICATION	INTENTIONALLY LEFT BLANK
HORIZONTAL GAIN			INTENTIONALLY LEFT BLANK
Frequency Range	2400-2500 MHz	4900-5875 MHz	
Impedance	50 Ohms	50 Ohms	
VSWR (50 Ohms)	1.8: 1 Max	1.8: 1 Max	
Gain, dBi	6 dBi	8 dBi	
Polarization	Vertical, Linear	Vertical, Linear	
3dB Beamwidth V	25 Deg	15 Deg	
3dB Beamwidth H	360 Deg	360 Deg	
Front to Back Ratio			
Maximum Power	75W	75W	
Connector	N-Type Jack	N-Type Jack	
Type / Style			
Dimensions	86 x 43 mm	86 x 43 mm	
Weight	300g / 0.66 Lbs	300g / 0.66 Lbs	
Frontal Wind Loading	10 N bei 160km/h	10 N bei 160km/h	
Operating Temperature	-40 to +80 Deg C	-40 to +80 Deg C	
Storage Temperature	-40 to +80 Deg C	-40 to +80 Deg C	
Humidity	95%	95%	
Lightning Protection			
Mounting Options	Ceiling Mount (included)	Ceiling Mount (included)	
Cable	36" M/M Type N to RP-SMA cable	36" M/M Type N to RP-SMA cable	





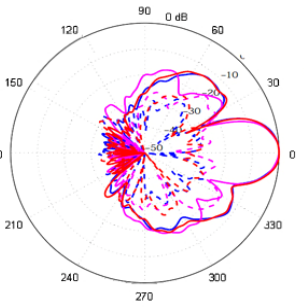
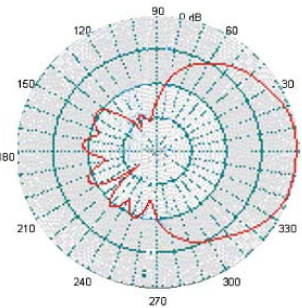
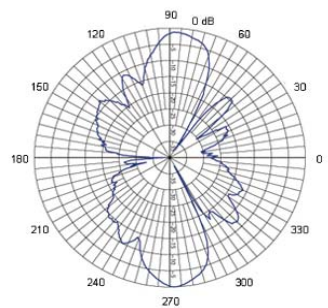
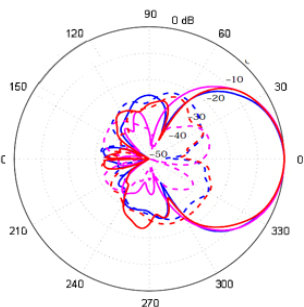
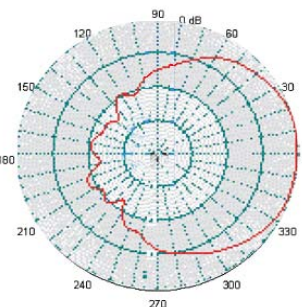
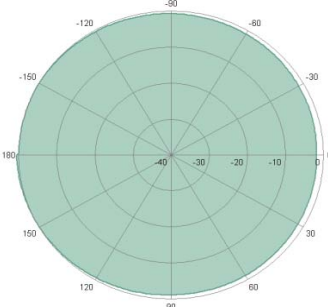
	DUAL BAND INDOOR		
	360° Omni (2.4 GHz Specs)	360° Omni (5 GHz Specs)	
For MP-3XX			
For MP-422			
For MP-522E	ANT-7360P-IN	ANT-7360P-IN	
For MP-620			
For MP-632			
PRODUCT PHOTO			INTENTIONALLY LEFT BLANK
VERTICAL GAIN			INTENTIONALLY LEFT BLANK
HORIZONTAL GAIN			INTENTIONALLY LEFT BLANK
Frequency Range	2400-2500 MHz	5150-5875 MHz	
Impedance	50 Ohms	50 Ohms	
VSWR (50 Ohms)	<2 : 1 Max	< 2 : 1 Max	
Gain, dBi	3 dBi	5 dBi	
Polarization	Vertical, Linear	Vertical, Linear	
3dB Beamwidth V	78 Deg	78 Deg	
3dB Beamwidth H	360 Deg	360 Deg	
Front to Back Ratio			
Maximum Power	2W	2W	
Connector	Female SMA	Female SMA	
Type / Style			
Dimensions	134 x 21 mm	134 x 21 mm	
Weight	27.5g / 0.66 Lbs	27.5g / 0.66 Lbs	
Frontal Wind Loading	N/A	N/A	
Operating Temperature	-20 to +60 Deg C	-20 to +60 Deg C	
Storage Temperature	-20 to +60 Deg C	-20 to +60 Deg C	
Humidity	95%	95%	
Lightning Protection	N/A	N/A	
Mounting Options	AP Mount	AP Mount	
Cable	N/A	N/A	





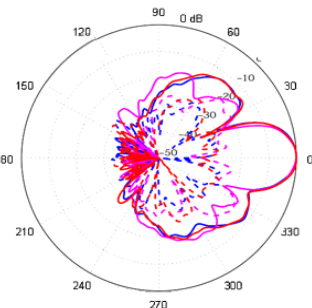
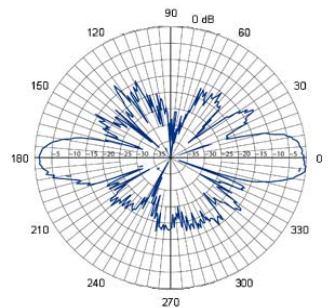
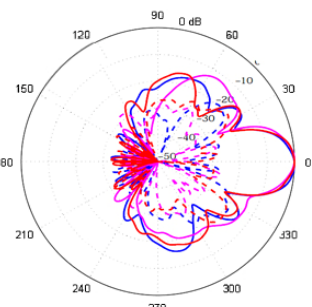
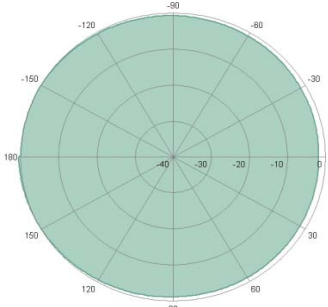
	5 GHz BAND INDOOR / OUTDOOR		
	60 ° Sector	120 ° Sector	180 ° Sector
For MP-3XX	ANT-5060	ANT-5120	ANT-5180
For MP-422	ANT-5060R	ANT-5120R	ANT-5180R
For MP-522E			
For MP-620			
For MP-632			
PRODUCT PHOTO			
VERTICAL GAIN			
HORIZONTAL GAIN			
Frequency Range	5100-5900 MHz	5100-5900 MHz	5100-5900 MHz
Impedance	50 Ohms	50 Ohms	50 Ohms
VSWR (50 Ohms)	1.5: 1 Max	1.5: 1 Max	1.5: 1 Max
Gain, dBi	14.5 dBi	12.5 dBi	10.8 dBi
Polarization	Vertical, Linear	Vertical, Linear	Vertical, Linear
3dB Beamwidth V	14 Deg	14 Deg	14 Deg
3dB Beamwidth H	60 Deg	120 Deg	180 Deg
Front to Back Ratio	>= 25 dB	>= 28 dB	>= 19 dB
Maximum Power	20W	20W	20W
Connector	Female SMA, Bottom Feed	Female SMA, Bottom Feed	Female SMA, Bottom Feed
Type / Style	Panel Type	Panel Type	Panel Type
Dimensions	310 x 63 x 25 mm	69 x 317 x 51 mm	51 x 317 x 51 mm
Weight	100g / 0.22 Lbs	170g / 0.375 Lbs	170g / 0.375 Lbs
Frontal Wind Loading	> 10 Kg	> 5 Kg	> 5 Kg
Operating Temperature	-30 to +75 Deg C	-30 to +75 Deg C	-30 to +75 Deg C
Storage Temperature	-45 to +75 Deg C	-45 to +75 Deg C	-45 to +75 Deg C
Humidity	95%	95%	95%
Lightning Protection	All Metal Parts Grounded	All Metal Parts Grounded	All Metal Parts Grounded
Mounting Options	Wall Mount / Pole Mount (2" diameter)	Wall Mount / Pole Mount (2" diameter)	Wall Mount / Pole Mount (2" diameter)
Cable	36" RG-174/U Coaxial with 2 x SMA Plugs (ANT-xxxxR has 1 x SMA and 1 x R-SMA Plug)	36" RG-174/U Coaxial with 2 x SMA Plugs (ANT-xxxxR has 1 x SMA and 1 x R-SMA Plug)	36" RG-174/U Coaxial with 2 x SMA Plugs (ANT-xxxxR has 1 x SMA and 1 x R-SMA Plug)

	2.4 GHz BAND OUTDOOR		
	120° Sector	360° Omni-directional	
For MP-3XX			
For MP-422			
For MP-522E			
For MP-620	ANT-1120-OUT	ANT-1360-OUT	
For MP-632			
PRODUCT PHOTO			INTENTIONALLY LEFT BLANK
VERTICAL GAIN			INTENTIONALLY LEFT BLANK
HORIZONTAL GAIN			INTENTIONALLY LEFT BLANK
Frequency Range	2400-2500 MHz	2400-2500 MHz	
Impedance	50 Ohms	50 Ohms	
VSWR (50 Ohms)	1.5: 1 Max	2.0: 1 Max	
Gain, dBi	10 dBi	8 dBi	
Polarization	Vertical, Linear	Vertical, Linear	
3dB Beamwidth V	15 Deg	15 Deg	
3dB Beamwidth H	120 Deg	360 Deg	
Front to Back Ratio	10 dB	N/A	
Maximum Power	10W	10W	
Connector	N-Type Jack	N-Type Plug	
Type / Style	Sector	Stick	
Dimensions	88 x 750 x 70 mm	510 mm x 21 mm (diameter)	
Weight	700g / 1.54 Lbs	170g / 0.375 Lbs	
Frontal Wind Loading	216 km/hr	N/A	
Operating Temperature	-40 to +80 Deg C	-40 to +80 Deg C	
Storage Temperature	-40 to +80 Deg C	-40 to +80 Deg C	
Humidity	95% @ 55 deg C	95% @ 55 deg C	
Lightning Protection	Order Separately	Order Separately	
Mounting Options	Adjustable Wall Mount / Pole Mount	Direct Mount / Optional Wall or Pole Mount	
Cable	3 Meter ULA400 Coaxial	NONE Required	

	5 GHz BAND OUTDOOR		
	7 ° Sector	18 ° Sector	120 ° Sector
For MP-3XX			
For MP-422			
For MP-522E	ANT-5007-OUT		
For MP-620		ANT-5PNL-OUT	ANT-5120-OUT
For MP-632	ANT-5007-OUT		
PRODUCT PHOTO			
VERTICAL GAIN			
HORIZONTAL GAIN			
Frequency Range	4900-5875 MHz	4900-5875 MHz	5150-5875 MHz
Impedance	50 Ohms	50 Ohms	50 Ohms
VSWR (50 Ohms)	1.7: 1 Max	2.0: 1 Max	2.0: 1 Max
Gain, dBi	23.5 dBi	18 dBi	13.5 dBi
Polarization	Linear, Vertical and Horizontal	Vertical, Linear	Vertical, Linear
3dB Beamwidth V	7-9 Deg	18 Deg	6 Deg
3dB Beamwidth H	7-9 Deg	18 Deg	120 Deg
Front to Back Ratio	ETSI TS3, TS4, TS5	25 dB	25 dB
Maximum Power	5 W	5 W	5 W
Connector	2 x N-Type Jack, Female	N-Type Jack	N-Type Jack
Type / Style	Panel	Panel	Sector
Dimensions	370 x 370 x 40 mm	200 x 215 x 50 mm	88 x 620 x 70 mm
Weight	2100 g	825 g	590 g
Frontal Wind Loading	200 km/hr	216 km/hr	216 km/hr
Operating Temperature	-40 to +65 Deg C	-40 to +80 Deg C	-40 to +80 Deg C
Storage Temperature	-40 to +80 Deg C	-40 to +80 Deg C	-40 to +80 Deg C
Humidity	ETSI 300 019-1-4, EN 302 085 (Annex A.1.1)	95% @ 55 deg C	95% @ 25 deg C
Lightning Protection	DC Grounded	Order Separately	Order Separately
Mounting Options	Adjustable Wall Mount / Pole Mount	Adjustable Wall Mount / Pole Mount	Adjustable Wall Mount / Pole Mount
Cable	???????	3 Meter ULA400 Coaxial	3 Meter ULA400 Coaxial

	5 GHz BAND OUTDOOR		
	360° Omni-directional		
	For MP-3XX		
	For MP-422		
	For MP-522E		
	For MP-620	ANT-5360-OUT	
	For MP-632		
PRODUCT PHOTO		INTENTIONALLY LEFT BLANK	INTENTIONALLY LEFT BLANK
VERTICAL GAIN		INTENTIONALLY LEFT BLANK	INTENTIONALLY LEFT BLANK
HORIZONTAL GAIN		INTENTIONALLY LEFT BLANK	INTENTIONALLY LEFT BLANK
Frequency Range	5470-5875 MHz		
Impedance	50 Ohms		
VSWR (50 Ohms)	2.0: 1 Max		
Gain, dBi	8.0 dBi		
Polarization	Vertical, Linear		
3dB Beamwidth V	12 Deg		
3dB Beamwidth H	360 Deg		
Front to Back Ratio	N/A		
Maximum Power	5 W		
Connector	N-Type Plug		
Type / Style	Stick		
Dimensions	322 mm x 21 mm (diameter)		
Weight	110 g		
Frontal Wind Loading	N/A		
Operating Temperature	-40 to +80 Deg C		
Storage Temperature	-40 to +80 Deg C		
Humidity	95% @ 55 deg C		
Lightning Protection	Order Separately		
Mounting Options	Direct Mount / Optional Wall or Pole Mount		
Cable	NONE Required		

	DUAL BAND OUTDOOR 2.4 GHz Specifications		
	45 ° Sector	75 ° Sector	360 ° Omni
For MP-3XX			
For MP-422			ANT-7360R-OUT
For MP-522E	ANT-74520-OUT	ANT-77555-OUT	ANT-7360A-OUT
For MP-620			
For MP-632	ANT-74520-OUT	ANT-77555-OUT	ANT-7360A-OUT
PRODUCT PHOTO			
VERTICAL GAIN			
HORIZONTAL GAIN			
Frequency Range	2400-2500 MHz	2400-2500 MHz	2400-2480 MHz
Impedance	50 Ohms	50 Ohms	50 Ohms
VSWR (50 Ohms)	2.0: 1 Max	2.0: 1 Max	2.0: 1 Max
Gain, dBi	10.9 dBi	8.0 dBi	6.0 dBi
Polarization	Linear, 2 Vertical, 1 Horizontal	Linear, 2 Vertical, 1 Horizontal	Vertical
3dB Beamwidth V	45 Deg	70 Deg	22 Deg
3dB Beamwidth H	45 Deg	75 Deg	360 Deg
Front to Back Ratio			
Maximum Power	10 W	10 W	25 W
Connector	3 x Reverse SMA	3 x Reverse SMA	N-Type Jack, Female
Type / Style	Panel	Panel	Stick
Dimensions	411.4 mm x 373.3 mm x 35.8 mm	259.1 mm x 259.1 mm x 33.5 mm	660 mm Length
Weight	1100 g	1800 g	226 g
Frontal Wind Loading	200 Km/h	200 Km/h	200 Km/h
Operating Temperature	-30 to +65 Deg C	-30 to +65 Deg C	-30 to +65 Deg C
Storage Temperature	-40 to +80 Deg C	-40 to +80 Deg C	-40 to +80 Deg C
Humidity	95%	95%	95%
Lightning Protection	Order Separately	Order Separately	Order Separately
Mounting Options	Optional Wall or Pole Mount	Optional Wall or Pole Mount	Pole Mount and Direct Mount
Cable	36" (plenum rated)	36" (plenum rated)	R-OUT: 36" RG-174/U type, RP-SMA connectors A-OUT: 36" RF-400 type, N-type connectors

	DUAL BAND OUTDOOR 5 GHz Specifications		
	20 ° Sector	55 ° Sector	360 ° Omni
For MP-3XX			
For MP-422			ANT-7360R-OUT
For MP-522E	ANT-74520-OUT	ANT-77555-OUT	ANT-7360A-OUT
For MP-620			
For MP-632	ANT-74520-OUT	ANT-77555-OUT	ANT-7360A-OUT
PRODUCT PHOTO			
VERTICAL GAIN		GAIN PATTERN NOT AVAILABLE AT TIME OF PUBLICATION	
HORIZONTAL GAIN		GAIN PATTERN NOT AVAILABLE AT TIME OF PUBLICATION	
Frequency Range	5125-5875 MHz	5150-5875 MHz	5150-5850 MHz
Impedance	50 Ohms	50 Ohms	50 Ohms
VSWR (50 Ohms)	2.0: 1 Max	2.0: 1 Max	2.0: 1 Max
Gain, dBi	13.5 dBi	10.7 dBi	8.0 dBi
Polarization	Linear, 2 Vertical, 1 Horizontal	Linear, 2 Vertical, 1 Horizontal	Vertical
3dB Beamwidth V	20 Deg	60 Deg	15 Deg
3dB Beamwidth H	20 Deg	55 Deg	360 Deg
Front to Back Ratio			
Maximum Power	10 W	10 W	25 W
Connector	3 x Reverse SMA	3 x Reverse SMA	N-Type Jack, Female
Type / Style	Panel	Panel	Stick
Dimensions	411.4 mm x 373.3 mm x 35.8 mm	259.1 mm x 259.1 mm x 33.5 mm	660 mm Length
Weight	1100 g	1800 g	226 g
Frontal Wind Loading	200 Km/h	200 Km/h	200 Km/h
Operating Temperature	-30 to +65 Deg C	-30 to +65 Deg C	-30 to +65 Deg C
Storage Temperature	-40 to +80 Deg C	-40 to +80 Deg C	-40 to +80 Deg C
Humidity	95%	95%	95%
Lightning Protection	Order Separately	Order Separately	Order Separately
Mounting Options	Optional Wall or Pole Mount	Optional Wall or Pole Mount	Pole Mount and Direct Mount
Cable	36" (plenum rated)	36" (plenum rated)	R-OUT: 36" RG-174/U type, RP-SMA connectors A-OUT: 36" RF-400 type, N-type connectors